SSS LEGACY INFRA
#11, 21st Main, Vishwa Complex, BSK 2nd Stage,
Bengaluru – 560 070.

Name Of Work: Improvements to roads, drains and construction of culverts at Sadiq Layout and Surrounding areas in Ward No.06

Client	**: Executive Engineer, Project Division, Yelahanka Zone**
Contractor	**: Sri Manjunath S R, M/s Sri Lakshmi Constructions**
Consultant	**: M/s SSS Legacy Infra**

Location	:@ Site	**Age of the Cube**	: 7 Days
Part of the Structure	: Drain Wall	**Date of Casting**	: 09.04.2021
Grade of Concrete	: M-20	**Date of Testing**	: 16.04.2021

S.No	**Cube No.**	**Weight of the Cube (g)**	**Size of the cube (cm x cm xcm)**	**Vol.of the cube (cm^3)**	**Test area (cm^2)**	**Failure Load (kN)**	**Compressive Strength (N/mm^2)**	**Average Compressive Strength (N/mm^2)**
1	A	8007	15*15*15	3375	225	375	16.67	16.96
2	B	8125	15*15*15	3375	225	380	16.89	
3	C	8225	15*15*15	3375	225	390	17.33	
4								
5								
6								

Average Strength= 16.96 N/mm^2

Remarks:- Test Result is confirmed as per MORTH specification

SSS LEGACY INFRA BANGALORE

Consultants representative **Contractror Representative** **Client Representative**

SSS LEGACY INFRA
#11, 21st Main, Vishwa Complex, BSK 2nd Stage,
Bengaluru – 560 070.

Name Of Work: Improvements to roads, drains and construction of culverts at Sadiq Layout and Surrounding areas in Ward No.06

Client	**: Executive Engineer, Project Division, Yelahanka Zone**
Contractor	**: Sri Manjunath S R, M/s Sri Lakshmi Constructions**
Consultant	**: M/s SSS Legacy Infra**

Location	:@ Site	**Age of the Cube**	: 28 Days
Part of the Structure	: Drain Wall	**Date of Casting**	: 09.04.2021
Grade of Concrete	: M-20	**Date of Testing**	: 07.05.2021

S.No	Cube No.	Weight of the Cube (g)	Size of the cube (cm x cm xcm)	Vol.of the cube (cm^3)	Test area (cm^2)	Failure Load (kN)	Compressive Strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	A	8032	15*15*15	3375	225	530	23.56	24.07
2	B	8178	15*15*15	3375	225	545	24.22	
3	C	8298	15*15*15	3375	225	550	24.44	
4								
5								
6								

Average Strength= 24.07 N/mm^2

Remarks:- Test Result is confirmed as per MORTH specification

SSS LEGACY INFRA BANGALORE

Consultants representative **Contractror Representative** **Client Representative**

SSS LEGACY INFRA
#11, 21st Main, Vishwa Complex, BSK 2nd Stage,
Bengaluru – 560 070.

Name Of Work: Improvements to roads, drains and construction of culverts at Sadiq Layout and Surrounding areas in Ward No.06

Client	**: Executive Engineer, Project Division, Yelahanka Zone**
Contractor	**: Sri Manjunath S R, M/s Sri Lakshmi Constructions**
Consultant	**: M/s SSS Legacy Infra**

Location	:@ Site	**Age of the Cube**	: 7 Days
Part of the Structure	: Drain Wall	**Date of Casting**	: 09.04.2021
Grade of Concrete	: M-20	**Date of Testing**	: 16.04.2021

S.No	Cube No.	Weight of the Cube (g)	Size of the cube (cm x cm xcm)	Vol.of the cube (cm^3)	Test area (cm^2)	Failure Load (kN)	Compressive Strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	A	8000	15*15*15	3375	225	378	16.80	17.16
2	B	8100	15*15*15	3375	225	388	17.24	
3	C	8200	15*15*15	3375	225	392	17.42	
4								
5								
6								

Average Strength= 17.16 N/mm^2

Remarks:- Test Result is confirmed as per MORTH specification

SSS LEGACY INFRA BANGALORE

Consultants representative **Contractror Representative** **Client Representative**

SSS LEGACY INFRA
#11, 21st Main, Vishwa Complex, BSK 2nd Stage,
Bengaluru – 560 070.

Name Of Work: Improvements to roads, drains and construction of culverts at Sadiq Layout and Surrounding areas in Ward No.06

Client	**: Executive Engineer, Project Division, Yelahanka Zone**
Contractor	**: Sri Manjunath S R, M/s Sri Lakshmi Constructions**
Consultant	**: M/s SSS Legacy Infra**

Location	:@ Site	**Age of the Cube**	: 28 Days
Part of the Structure	: Drain Wall	**Date of Casting**	: 09.04.2021
Grade of Concrete	: M-20	**Date of Testing**	: 07.05.2021

S.No	Cube No.	Weight of the Cube (g)	Size of the cube (cm x cm xcm)	Vol.of the cube (cm^3)	Test area (cm^2)	Failure Load (kN)	Compressive Strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	A	8036	15*15*15	3375	225	516	22.93	23.30
2	B	8112	15*15*15	3375	225	523	23.24	
3	C	8222	15*15*15	3375	225	534	23.73	
4								
5								
6								

Average Strength= 23.30 N/mm^2

Remarks:- Test Result is confirmed as per MORTH specification

SSS LEGACY INFRA BANGALORE

Consultants representative **Contractror Representative** **Client Representative**

SSS LEGACY INFRA
#11, 21st Main, Vishwa Complex, BSK 2nd Stage,
Bengaluru – 560 070.

Name Of Work: Improvements to roads, drains and construction of culverts at Sadiq Layout and Surrounding areas in Ward No.06

Client	**: Executive Engineer, Project Division, Yelahanka Zone**
Contractor	**: Sri Manjunath S R, M/s Sri Lakshmi Constructions**
Consultant	**: M/s SSS Legacy Infra**

Location	:@ Site	**Age of the Cube**	: 7 Days
Part of the Structure	: Drain Wall	**Date of Casting**	: 09.04.2021
Grade of Concrete	: M-20	**Date of Testing**	: 16.04.2021

S.No	Cube No.	Weight of the Cube (g)	Size of the cube (cm x cm xcm)	Vol.of the cube (cm^3)	Test area (cm^2)	Failure Load (kN)	Compressive Strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	A	8020	15*15*15	3375	225	368	16.36	16.56
2	B	8140	15*15*15	3375	225	372	16.53	
3	C	8236	15*15*15	3375	225	378	16.80	
4								
5								
6								

Average Strength= 16.56 N/mm^2

Remarks:- Test Result is confirmed as per MORTH specification

SSS LEGACY INFRA BANGALORE

Consultants representative **Contractror Representative** **Client Representative**

SSS LEGACY INFRA
#11, 21st Main, Vishwa Complex, BSK 2nd Stage,
Bengaluru – 560 070.

Name Of Work: Improvements to roads, drains and construction of culverts at Sadiq Layout and Surrounding areas in Ward No.06

Client	**: Executive Engineer, Project Division, Yelahanka Zone**
Contractor	**: Sri Manjunath S R, M/s Sri Lakshmi Constructions**
Consultant	**: M/s SSS Legacy Infra**

Location	:@ Site	**Age of the Cube**	: 28 Days
Part of the Structure	: Drain Wall	**Date of Casting**	: 09.04.2021
Grade of Concrete	: M-20	**Date of Testing**	: 07.05.2021

S.No	Cube No.	Weight of the Cube (g)	Size of the cube (cm x cm xcm)	Vol.of the cube (cm^3)	Test area (cm^2)	Failure Load (kN)	Compressive Strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	A	8020	15*15*15	3375	225	515	22.89	23.11
2	B	8150	15*15*15	3375	225	520	23.11	
3	C	8270	15*15*15	3375	225	525	23.33	
4								
5								
6								

Average Strength= 23.11 N/mm^2

Remarks:- Test Result is confirmed as per MORTH specification

SSS LEGACY INFRA BANGALORE

Consultants representative **Contractror Representative** **Client Representative**

SSS LEGACY INFRA
#11, 21st Main, Vishwa Complex, BSK 2nd Stage,
Bengaluru – 560 070.

Name Of Work: Improvements to roads, drains and construction of culverts at Sadiq Layout and Surrounding areas in Ward No.06

Client	**: Executive Engineer, Project Division, Yelahanka Zone**
Contractor	**: Sri Manjunath S R, M/s Sri Lakshmi Constructions**
Consultant	**: M/s SSS Legacy Infra**

Location	:@ Site	**Age of the Cube**	: 7 Days
Part of the Structure	: Drain Wall	**Date of Casting**	: 16.04.2021
Grade of Concrete	: M-20	**Date of Testing**	: 23.04.2021

S.No	Cube No.	Weight of the Cube (g)	Size of the cube (cm x cm xcm)	Vol.of the cube (cm^3)	Test area (cm^2)	Failure Load (kN)	Compressive Strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	A	8150	15*15*15	3375	225	365	16.22	
2	B	8250	15*15*15	3375	225	375	16.67	16.59
3	C	8300	15*15*15	3375	225	380	16.89	
4								
5								
6								

Average Strength= 16.59 N/mm^2

Remarks:- Test Result is confirmed as per MORTH specification

LEGACY INFRA BANGALORE

Consultants representative **Contractror Representative** **Client Representative**

SSS LEGACY INFRA
#11, 21st Main, Vishwa Complex, BSK 2nd Stage,
Bengaluru – 560 070.

Name Of Work: Improvements to roads, drains and construction of culverts at Sadiq Layout and Surrounding areas in Ward No.06

Client	**: Executive Engineer, Project Division, Yelahanka Zone**
Contractor	**: Sri Manjunath S R, M/s Sri Lakshmi Constructions**
Consultant	**: M/s SSS Legacy Infra**

Location	:@ Site	**Age of the Cube**	: 28 Days
Part of the Structure	: Drain Wall	**Date of Casting**	: 16.04.2021
Grade of Concrete	: M-20	**Date of Testing**	: 14.05.2021

S.No	Cube No.	Weight of the Cube (g)	Size of the cube (cm x cm xcm)	Vol.of the cube (cm^3)	Test area (cm^2)	Failure Load (kN)	Compressive Strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	A	8040	15*15*15	3375	225	519	23.07	23.35
2	B	8178	15*15*15	3375	225	523	23.24	
3	C	8269	15*15*15	3375	225	534	23.73	
4								
5								
6								

Average Strength= 23.35 N/mm^2

Remarks:- Test Result is confirmed as per MORTH specification

SSS LEGACY INFRA BANGALORE

Consultants representative **Contractror Representative** **Client Representative**

SSS LEGACY INFRA
#11, 21st Main, Vishwa Complex, BSK 2nd Stage,
Bengaluru – 560 070.

Name Of Work: Improvements to roads, drains and construction of culverts at Sadiq Layout and Surrounding areas in Ward No.06

Client	**: Executive Engineer, Project Division, Yelahanka Zone**
Contractor	**: Sri Manjunath S R, M/s Sri Lakshmi Constructions**
Consultant	**: M/s SSS Legacy Infra**

Location	:@ Site	**Age of the Cube**	: 7 Days
Part of the Structure	: Drain Wall	**Date of Casting**	: 16.04.2021
Grade of Concrete	: M-20	**Date of Testing**	: 23.04.2021

S.No	Cube No.	Weight of the Cube (g)	Size of the cube (cm x cm xcm)	Vol.of the cube (cm^3)	Test area (cm^2)	Failure Load (kN)	Compressive Strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	A	8000	15*15*15	3375	225	375	16.67	16.89
2	B	8050	15*15*15	3375	225	380	16.89	
3	C	8100	15*15*15	3375	225	385	17.11	
4								
5								
6								

Average Strength= 16.89 N/mm^2

Remarks:- Test Result is confirmed as per MORTH specification

SSS LEGACY INFRA BANGALORE

Consultants representative **Contractror Representative** **Client Representative**

SSS LEGACY INFRA
#11, 21st Main, Vishwa Complex, BSK 2nd Stage,
Bengaluru – 560 070.

Name Of Work: Improvements to roads, drains and construction of culverts at Sadiq Layout and Surrounding areas in Ward No.06

Client	**: Executive Engineer, Project Division, Yelahanka Zone**
Contractor	**: Sri Manjunath S R, M/s Sri Lakshmi Constructions**
Consultant	**: M/s SSS Legacy Infra**

Location	:@ Site	**Age of the Cube**	: 28 Days
Part of the Structure	: Drain Wall	**Date of Casting**	: 16.04.2021
Grade of Concrete	: M-20	**Date of Testing**	: 14.05.2021

S.No	Cube No.	Weight of the Cube (g)	Size of the cube (cm x cm xcm)	Vol.of the cube (cm^3)	Test area (cm^2)	Failure Load (kN)	Compressive Strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	A	8020	15*15*15	3375	225	518	23.02	
2	B	8140	15*15*15	3375	225	523	23.24	23.33
3	C	8250	15*15*15	3375	225	534	23.73	
4								
5								
6								

Average Strength= 23.33 N/mm^2

Remarks:- Test Result is confirmed as per MORTH specification

SSS LEGACY INFRA BANGALORE

Consultants representative **Contractror Representative** **Client Representative**

SSS LEGACY INFRA
#11, 21st Main, Vishwa Complex, BSK 2nd Stage,
Bengaluru – 560 070.

Name Of Work: Improvements to roads, drains and construction of culverts at Sadiq Layout and Surrounding areas in Ward No.06

Client	**: Executive Engineer, Project Division, Yelahanka Zone**
Contractor	**: Sri Manjunath S R, M/s Sri Lakshmi Constructions**
Consultant	**: M/s SSS Legacy Infra**

Location	:@ Site	**Age of the Cube**	: 7 Days
Part of the Structure	: Drain Wall	**Date of Casting**	: 16.04.2021
Grade of Concrete	: M-20	**Date of Testing**	: 23.04.2021

S.No	Cube No.	Weight of the Cube (g)	Size of the cube (cm x cm xcm)	Vol.of the cube (cm^3)	Test area (cm^2)	Failure Load (kN)	Compressive Strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	A	8030	15*15*15	3375	225	373	16.58	
2	B	8160	15*15*15	3375	225	382	16.98	16.95
3	C	8275	15*15*15	3375	225	389	17.29	
4								
5								
6								

Average Strength= 16.95 N/mm^2

Remarks:- Test Result is confirmed as per MORTH specification

SSS LEGACY INFRA BANGALORE

Consultants representative **Contractror Representative** **Client Representative**

SSS LEGACY INFRA
#11, 21st Main, Vishwa Complex, BSK 2nd Stage,
Bengaluru – 560 070.

Name Of Work: Improvements to roads, drains and construction of culverts at Sadiq Layout and Surrounding areas in Ward No.06

Client	**: Executive Engineer, Project Division, Yelahanka Zone**
Contractor	**: Sri Manjunath S R, M/s Sri Lakshmi Constructions**
Consultant	**: M/s SSS Legacy Infra**

Location	:@ Site	**Age of the Cube**	: 28 Days
Part of the structure	: Drain Wall	**Date of Casting**	: 16.04.2021
Grade of Concrete	: M-20	**Date of Testing**	: 14.05.2021

S.No	Cube No.	Weight of the Cube (g)	Size of the cube (cm x cm xcm)	Vol.of the cube (cm^3)	Test area (cm^2)	Failure Load (kN)	Compressive Strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	A	8065	15*15*15	3375	225	525	23.33	
2	B	8180	15*15*15	3375	225	530	23.56	23.56
3	C	8240	15*15*15	3375	225	535	23.78	
4								
5								
6								

Average Strength= 23.56 N/mm^2

Remarks:- Test Result is confirmed as per MORTH specification

SSS LEGACY INFRA BANGALORE

Consultants representative **Contractror Representative** **Client Representative**

SSS LEGACY INFRA

#11, 21st Main, Vishwa Complex, BSK 2nd Stage,
Bengaluru – 560 070.

PRECAST SLAB 100mm Thick(CORE) TEST REPORT

Client	: Executive Engineer, Project Division, Yelahanka Zone
Contractor	: Sri Manjunath S R, M/s Sri Lakshmi Constructions
Name of Work	Improvements to roads, drains and construction of culverts at Sadiq Layout and Surrounding areas in Ward No.06
No.of Sample Tested	03
Date of Testing	22.04.2021
Technical Reference	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	M_{20}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	76.00	0.347	2325.34	1.52	0.960	32.00	16.30	17.60	16.90	21.12
2	50.00	79.00	0.364	2346.63	1.58	0.960	33.00	16.81	18.15	17.43	21.78
3	50.00	82.00	0.388	2409.84	1.64	0.960	34.09	17.36	18.75	18.00	22.50

Remarks:- Test Result is Conformed as per MoRTH Specification.

SSS LEGACY INFRA BANGALORE

Consultants | **Contractor representative** | **Client Representative**

SSS LEGACY INFRA

#11, 21st Main, Vishwa Complex, BSK 2nd Stage,

Bengaluru – 560 070.

KERB STONE (CORE) TEST REPORT

Client	: Executive Engineer, Project Division, Yelahanka Zone
Agency	: Sri Manjunath S R, M/s Sri Lakshmi Constructions
Name of Work	:Improvements to roads, drains and construction of culverts at Sadiq Layout and Surrounding areas in Ward No.06
No. of Sample Tested	: 03
Date of Testing	: 28.04.2021
Technical Reference	: IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	: M_{15}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	75.00	0.346	2349.55	1.50	0.960	24.90	12.68	13.70	13.15	16.44
2	50.00	81.00	0.370	2326.41	1.62	0.960	25.60	13.04	14.08	13.52	16.90
3	50.00	86.00	0.393	2327.36	1.72	0.960	26.30	13.39	14.47	13.89	17.36

Remarks:- Test Result is Conformed as per MoRTH Specification.

SSS LEGACY INFRA BANGALORE

Consultants representative | Contractor representative | Client Representative

SSS LEGACY INFRA

#11, 21st Main, Vishwa Complex, BSK 2nd Stage, Bengaluru – 560 070.

PRECAST SLAB 250mm Thick(CORE) TEST REPORT

Client	: Executive Engineer, Project Division, Yelahanka Zone
Contractor	: Sri Manjunath S R, M/s Sri Lakshmi Constructions
Name of Work	Improvements to roads, drains and construction of culverts at Sadiq Layout and Surrounding areas in Ward No.06
Nos. of Sample Tested	03
Date of Testing	30.04.2021
Technical Reference	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	M_{20}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	100.00	172.00	3.225	2387.32	1.72	0.960	133.20	16.96	18.32	17.58	21.98
2	100.00	177.00	3.274	2355.13	1.77	0.960	135.80	17.29	18.67	17.93	22.41
3	100.00	182.00	3.366	2354.79	1.82	0.960	139.30	17.74	19.16	18.39	22.99

Remarks:- **Test Result is Conformed as per MoRTH Specification.**

SSS LEGACY INFRA BANGALORE

Consultants representative | Contractor representative | Client Representative

SSS LEGACY INFRA

#11, 21st Main, Vishwa Complex, BSK 2nd Stage,

Bengaluru – 560 070.

Name Of Work: Improvements to roads, drains and construction of culverts at Sadiq Layout and Surrounding areas in Ward No.06

Client	**: Executive Engineer, Project Division, Yelahanka Zone**
Consultant	**: M/s SSS Legacy Infra**
Contractor	**: Sri Manjunath S R, M/s Sri Lakshmi Constructions**

GSB Graded-V

Purpose	GSB	**Date of Sampling**	18.05.2021
Source	Chikkaballapura	**Sampled by**	PMC
Type of Mix	GSB	**Date of Testing**	18.05.2021
Location	at Site	**Tested by**	PMC
		Weight of sample(gm) :	**14110**

Sieve Size (mm)	Weight Retained (gm)	Cum. Weight Retained (gm)	Cummulative % Retained	Cummulative % passing	Specification Limits As per MORTH
75	0	0	0.00	100.00	**100**
53	300	300	2.16	97.84	**80-100**
26.5	2360	2660	18.85	81.15	**55-90**
9.5	4585	7245	51.35	48.65	**35-65**
4.75	2325	9570	67.82	32.18	**25-50**
2.36	2185	11755	83.31	16.69	**10--20**
0.85	1260	13015	92.24	7.76	**2--10**
0.425	150	13165	93.30	6.70	**0-5**

Remarks : Test result is confirmed as per MORTH specification

SSS LEGACY INFRA BANGALORE

Consultants representative | **Contractor Representative** | **Client Representative**

SSS LEGACY INFRA

#11, 21st Main, Vishwa Complex, BSK 2nd Stage,

Bengaluru – 560 070.

Name Of Work: Improvements to roads, drains and construction of culverts at Sadiq Layout and Surrounding areas in Ward No.06

Client	**: Executive Engineer, Project Division, Yelahanka Zone**
Consultant	**: M/s SSS Legacy Infra**
Contractor	**: Sri Manjunath S R, M/s Sri Lakshmi Constructions**

GSB Graded-V

Purpose	GSB	**Date of Sampling**	19.05.2021
Source	Chikkaballapura	**Sampled by**	PMC
Type of Mix	GSB	**Date of Testing**	19.05.2021
Location	at Site	**Tested by**	PMC
		Weight of sample(gm) :	**10750**

Sieve Size (mm)	Weight Retained (gm)	Cum. Weight Retained (gm)	Cummulative % Retained	Cummulative % passing	Specification Limits As per MORTH
75	0	0	0.00	100.00	100
53	145	145	1.35	98.65	80-100
26.5	3795	3940	36.65	63.35	55-90
9.5	1900	5840	54.33	45.67	35-65
4.75	1455	7295	67.86	32.14	25-50
2.36	1435	8730	81.21	18.79	10--20
0.85	1305	10035	93.35	6.65	2--10
0.425	190	10225	95.12	4.88	0-5

Remarks : Test result is confirmed as per MORTH specification

SSS LEGACY INFRA BANGALORE

Consultants representative | **Contractor Representative** | **Client Representative**

SSS LEGACY INFRA

#11, 21st Main, Vishwa Complex, BSK 2nd Stage,

Bengaluru – 560 070.

Name Of Work: Improvements to roads, drains and construction of culverts at Sadiq Layout and Surrounding areas in Ward No.8

Client	**: Executive Engineer, Project Division, Yelahanka Zone**
Consultant	**: M/s SSS Legacy Infra**
Contractor	**: Sri Manjunath S R, M/s Sri Lakshmi Constructions**

DRY DENSITY OF SOIL/ GSB/WMM (SAND REPLACEMENT METHOD)

TEST METHOD : IS : 2720 (PART XXVIII)

Location / Chainage	: at site	**Date of Sampling**	21.05.2021
Type of Material	: GSB	**Date of Testing**	21.05.2021
Source of Material	: Chikkaballapura	**Bulk Density of sand(ys)**	1.37
Layer Type & No	: 1A	**Wt. of Sand in cone, W3**	850
Laboratory M.D.D. Yd	2.28	**gm/cm3 @ O.M.C.**	5.93

OBSERVATIONS

Description/Location	**Trial no 01**	**Trial no 02**	**Trial no 03**	**Trial no 04**	**Trial no 05**	**Trial no 06**
Wt. of wet material from hole. W_w	3075	3120	3340			
Wt of sand + cylinder before pouring, W1	16000	16000	16000			
Wt of sand + cylinder after pouring, W2	13364	13340	13219			
Wt. of sand in hole, W4 =(W1 - W2 - W3)	1786	1810	1931			
Volume of Hole V=W4/Ys cc	1303.65	1321.23	1409.16			
Bulk Density of material yb = Ww / V gm/cc	2.359	2.361	2.370			
Water content, w(as per QC-2)	1.053	1.052	1.052			
Dry density, yd = [(100 yb) / (100+ w)] gm/cm3	2.240	2.246	2.252			
Compaction achieved [yd / yd(lab)] x 100%	98.24	98.49	98.78			

Remarks : Test result is confirmed as per MORTH specification

SSS LEGACY INFRA BANGALORE

Consultants representative **Contractor Representative** **Client Representative**

SSS LEGACY INFRA

#11, 21st Main, Vishwa Complex, BSK 2nd Stage,

Bengaluru – 560 070.

Name Of Work: Improvements to roads, drains and construction of culverts at Sadiq Layout and Surrounding areas in Ward No.66

Client	: Executive Engineer, Project Division, Yelahanka Zone
Consultant	: M/s SSS Legacy Infra
Contractor	: Sri Manjunath S R, M/s Sri Lakshmi Constructions

DRY DENSITY OF SOIL/ GSB/WMM (SAND REPLACEMENT METHOD)

TEST METHOD : IS : 2720 (PART XXVIII)

Location / Chainage	: at site	Date of Sampling	22.05.2021
Type of Material	: GSB	Date of Testing	22.05.2021
Source of Material	: Chikkaballapura	Bulk Density of sand(ys)	1.37
Layer Type & No	: 1A	Wt. of Sand in cone, W3	850
Laid M.D.D. Yd	2.28	gm/cm3 @ O.M.C.	5.93

OBSERVATIONS

Sl. No.	Description/Location	Trial no 01	Trial no 02	Trial no 03	Trial no 04	Trial no 05	Trial no 06
1	Wt. of wet material from hole. W_w	3125	3286	3347			
2	Wt of sand + cylinder before pouring, W1	16000	16000	16000			
3	Wt of sand + cylinder after pouring, W2	13333	13245	13218			
4	Wt. of sand in hole, W4 =(W1 - W2 - W3)	1817	1905	1932			
5	Volume of Hole V=W4/Ys cc	1326.46	1390.60	1410.38			
6	Bulk Density of material Yb = Ww / V gm/cc	2.356	2.363	2.373			
7	Water content, w(as per QC-2)	1.052	1.052	1.054			
8	Dry density, yd = [100 yb) / (100+ w)] gm/cm3	2.240	2.246	2.252			
9	Compaction achieved =[yd / yd(lab)] x 100%	98.24	98.49	98.78			

Remarks : Test result is confirmed as per MORTH specification

SSS LEGACY INFRA BANGALORE

Consultants representative | Contractor Representative | Client Representative

SSS LEGACY INFRA

#11, 21st Main, Vishwa Complex, BSK 2nd Stage,

Bengaluru – 560 070.

Name Of Work: Improvements to roads, drains and construction of culverts at Sadiq Layout and Surrounding areas in Ward No.06

Client	**: Executive Engineer, Project Division, Yelahanka Zone**
Contractor	**: Sri Manjunath S R, M/s Sri Lakshmi Constructions**
Consultant	**: M/s SSS Legacy Infra**

Location	:@ Site	**Age of the Cube**	: 7 Days
Part of the Structure	: CC Road	**Date of Casting**	: 10.06.2021
Grade of Concrete	: M-30	**Date of Testing**	: 17.06.2021

Sl.No	**Cube No.**	**Weight of the Cube (g)**	**Size of the cube (cm x cm xcm)**	**Vol.of the cube (cm^3)**	**Test area (cm^2)**	**Failure Load (kN)**	**Compressive Strength (N/mm^2)**	**Average Compressive Strength (N/mm^2)**
1	A	8050	15*15*15	3375	225	500	22.22	22.44
2	B	8110	15*15*15	3375	225	505	22.44	
3	C	8230	15*15*15	3375	225	510	22.67	
4								
5								
6								

Average Strength= 22.44 N/mm^2

Remarks:- Test Result is confirmed as per MORTH specification

SSS LEGACY INFRA BANGALORE

Consultants representative **Contractror Representative** **Client Representative**